

## FALL 2023 MA 16020 FINAL EXAM BREAKDOWN

| <b>Topic</b>                         | <b># of Questions on Final Exam</b> |
|--------------------------------------|-------------------------------------|
| Integration By Substitution          | <b>1</b>                            |
| Integration - Natural Logarithmic    | <b>1</b>                            |
| Integration By Parts                 | <b>1</b>                            |
| Partial Fractions                    | <b>1</b>                            |
| Improper Integrals                   | <b>1</b>                            |
| Area Between Two Curves              | <b>1</b>                            |
| Solids of Revolution                 | <b>2</b>                            |
| Separation of Variables              | <b>1</b>                            |
| First-Order Linear Equations         | <b>1</b>                            |
| Geometric Sums                       | <b>1</b>                            |
| Power Series                         | <b>1</b>                            |
| Maclaurin Series                     | <b>1</b>                            |
| Functions of Several Variables       | <b>1</b>                            |
| Partial Derivatives                  | <b>1</b>                            |
| Higher-Order Partial Derivatives     | <b>2</b>                            |
| Extrema(s) of Two Variable Functions | <b>2</b>                            |
| Lagrange Multipliers                 | <b>2</b>                            |
| Double Integrals                     | <b>3</b>                            |